

Title (en)  
MULTIZONE ANALYTICAL ELEMENT AND METHOD FOR ANALYTE DETERMINATION

Publication  
**EP 0159638 A3 19860115 (EN)**

Application  
**EP 85104483 A 19850415**

Priority  
US 60064184 A 19840416

Abstract (en)  
[origin: US4547460A] A multizone analytical element for the determination of an analyte in an aqueous liquid comprises a registration zone and a porous spreading zone to receive and transport the aqueous liquid. The spreading zone contains a nonpolymeric quaternary ammonium compound represented by either of the structures: <IMAGE> Ia. <IMAGE> Ib.

IPC 1-7  
**G01N 33/52**; **G01N 31/22**; **C12Q 1/48**

IPC 8 full level  
**C12Q 1/48** (2006.01); **G01N 21/78** (2006.01); **G01N 31/22** (2006.01); **G01N 33/48** (2006.01); **G01N 33/52** (2006.01); **G01N 33/72** (2006.01)

CPC (source: EP US)  
**C12Q 1/48** (2013.01 - EP US); **G01N 33/525** (2013.01 - EP US); **Y10S 435/805** (2013.01 - EP US); **Y10T 436/25125** (2015.01 - EP US)

Citation (search report)

- [Y] US 4050898 A 19770927 - GOFFE CHARLES A, et al
- [AD] US 3992158 A 19761116 - PRZYBYLOWICZ EDWIN P, et al
- [Y] E.JUNGERMANN: "CATIONIC SURFACTANTS", Surfactant Science Series, vol. 4, 1970, pages 28-30, 72-76, Marcel Dekker, Inc., New York, US;

Cited by  
EP0207406A3; EP0277270A3; DE3717913A1

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**US 4547460 A 19851015**; CA 1223511 A 19870630; DE 3564491 D1 19880922; EP 0159638 A2 19851030; EP 0159638 A3 19860115; EP 0159638 B1 19880817; JP H045348 B2 19920131; JP S60236067 A 19851122

DOCDB simple family (application)  
**US 60064184 A 19840416**; CA 454905 A 19840523; DE 3564491 T 19850415; EP 85104483 A 19850415; JP 7864085 A 19850415